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Illinois
Environmental
Protection Agency

Division of Public Water Supplies
2200 Churchill Road
Springfield, Illinois 62706

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Groundwater Quality Protection Program

HILLCREST COURT 2nd ADDN.
FACILITY NUMBER 1615490
WELL SITE SURVEY REPORT

Division of Public Water Supplies





IEPA/PWS/94-227

GROUNDWATER QUALITY PROTECTION PROGRAM:

HILLCREST COURT 2nd ADDN.
FACILITY NUMBER 1615490
WELL SITE SURVEY REPORT

Presented by:

Division of Public Water Supplies

Published by:

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INTRODUCTION

This report has been prepared by the Illinois Environmental Protection Agency (Agency) pursuant to Section 17.1 of the Illinois Environmental Protection Act (Act). The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to the groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

The Hillcrest Court 2nd Addn. has one public water supply well. The facility produces 3,800 gallons per day to an estimated population of 66. See Table I for a description of the well. The well utilizes a shallow bedrock aquifer which is overlain by permeable bedrock. Permeability is the ability of a soil or sediment to transmit fluids. A detailed description and geologic profile is found in the Facility wells Report (Appendix C).

TABLE 1

Well I.D.	Minimum setback (ft.)	Maximum setback (ft.)	S t a t u s	Capacity (gpm) (MGD)	Specific Capacity (gpm/ft)	Treatment	Aquifer	Well Depth (Ft.)	Well Logs Available
Well #1 (31912)	400	no	A	26 0.04	N/A	Cl., Fl.	Shallow Bedrock	477	yes

A=Active

GROUNDWATER SAMPLING/MONITORING HISTORY

The public water supply well at Hillcrest Court 2nd Addn. were sampled as part of the Statewide Groundwater Monitoring Network on November 7, 1986. The samples were analyzed for volatile aromatic and organic chemicals (VOC/VOA) and inorganic chemicals (IOC). The VOC/VOA analyses performed detected 1 part per billion of methylene chloride, which was likely to be cause by laboratory contamination. Subsequent monitoring has detected no quantifiable levels of organic chemicals in the well. The IOC analyses performed found the water from the well to meet all groundwater standards. See Appendix D for detailed sampling results.

SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory sheets (Appendix B), that relate information about potential sources, routes and possible problem sites to your water supply well(s). The location of potential sources, routes, possible problem sites, water supply wells, minimum setback zones, and 1,500 foot survey area are all displayed on the aerial photographic map. The first page of each survey consists of a summary description

and geologic profile for each well. The second and following pages of the survey inventory units within and bordering a 1,500 foot radius of the wellhead. A unit is defined as any device, mechanism, equipment, or area (exclusive of land utilized for agricultural production). The Agency five-digit well number is associated with a unit or map code, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (see Groundwater Primer pages 18-19). The distance and direction of the unit from the wellhead is also indicated.

Survey Results and Findings:

The well site survey of Hillcrest Court 2nd Addn. was conducted on August 27, 1992 by Dave McMillan, Environmental Protection Specialist from the Agency's Springfield Office. The following describes the results and findings for Hillcrest Court 2nd Addn.

Hillcrest Court 2nd Addn. Well #1 (31912). The survey area is rural consisting of moderate density residential housing and woodlands and open space. There are no visible potential sources, routes, or possible problem sites located within the minimum setback zone (200 ft.) or in the survey area (1500 ft.). The Hillcrest Court 2nd Addn. is served by private septic systems.

SUMMARY

The well site survey conducted found no potential sources, routes, or possible problem sites within the minimum setback zone, or the survey area. The sampling and monitoring conducted to date has detected no contamination in the groundwater utilized by the facility.

The Act provides minimum protection zones for your well. These minimum protection zones are regulated by the Agency. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the control would then be assumed by the local officials through adoption of a maximum setback zone ordinance.

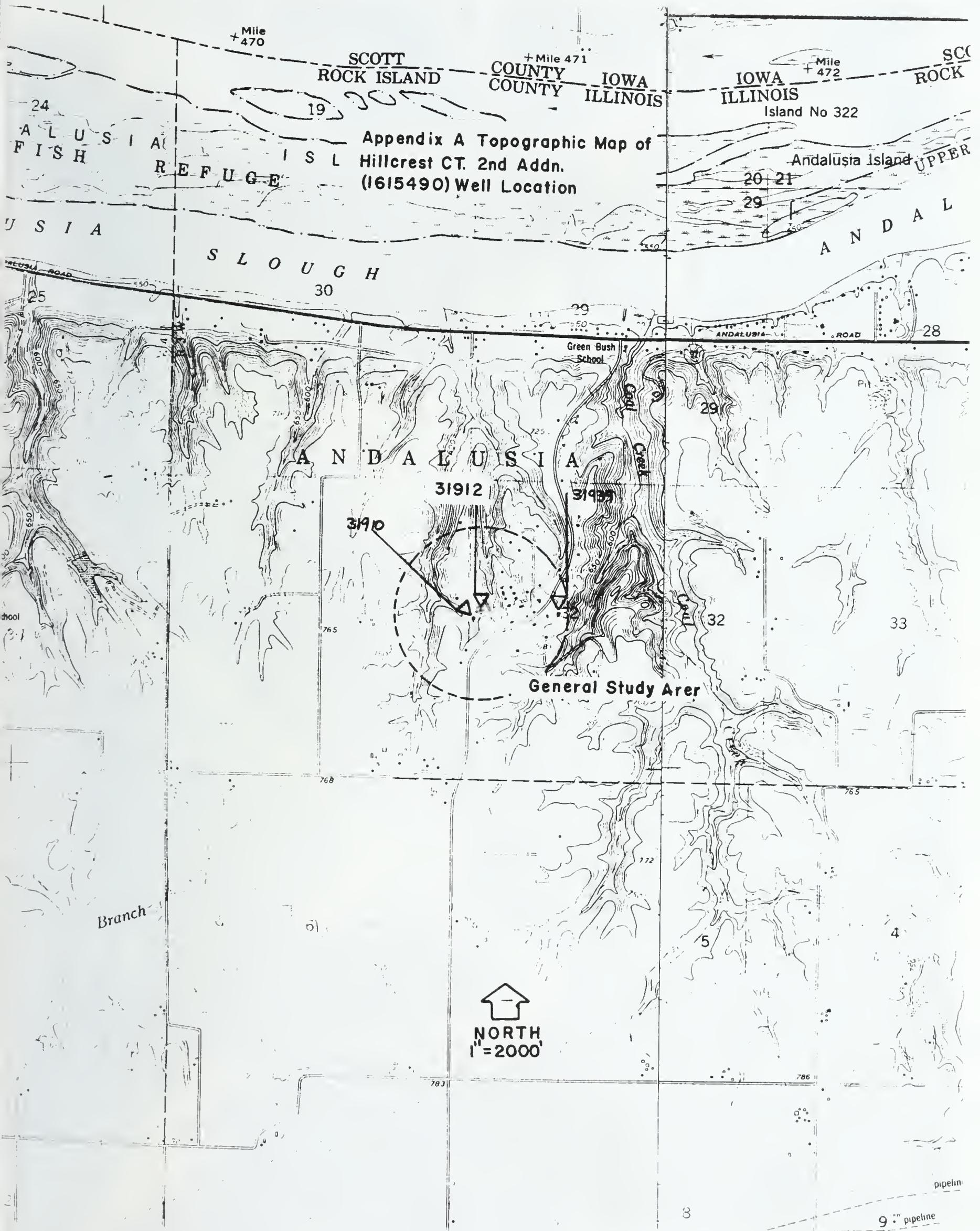
RECOMMENDATIONS

The Agency strongly urges Hillcrest Court 2nd Addn. to consider establishing a maximum setback zone ordinance for its well. Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination up to 1000 feet from the wellhead. To aid you in the development of further regulatory coverage for your well supply, the Agency prepared a "Maximum Setback Zone Workbook" that provides detailed case studies of how to establish maximum setback zones. This text and further technical assistance is readily available from the Agency and the Illinois State Water Survey.

Local governments are also encouraged to consider conducting groundwater protection needs assessments. Any county or municipality having a population less than 25,000 or 5,000 persons respectively, may request the Agency to conduct a hazard review in lieu of a need's assessment. The Agency may issue an "advisory of groundwater contamination hazard" if a significant hazard to the public health or the environment exists.

TECHNICAL APPENDICES

APPENDIX A



APPENDIX B
Aerial Photographic Map

1615850
31939

HILLCREST SBDW

161551D

HILLCREST CT 2nd ADDN

161549C

WINDING CREEK ESTW

1615850

1" = 400

1615490
31912

APPENDIX B
Aerial Photographic Map

1615850
31939

1615510
31910

HILLCREST SBDW
1615510
HILLCREST CT 2nd ADDN
31910
WINDING CREEK LST
1615850
1400

APPENDIX B1-HILLCREST COURT 2nd ADDN. WELL #1 (#31912)
WELL SITE SURVEY SUMMARY DESCRIPTION
AND GEOLOGIC PROFILE

SURVEYOR: McMILLAN
SURVEY DATE: 8-27-92
ADDRESS: Hillcrest Court 2nd Addn.
c/o Randall Goddard
9219 141st Street West
Taylor Ridge, IL 61284

AGENCY WELL NO.: 31912
WELL NAME & DESCRIPTION: Well #1

TAP: 01
FACILITY NO. & NAME: 1615490, Hillcrest Court 2nd Addn.
FACILITY PHONE CONTACT: (309) 372-8412

LOCATION:
TWP, RNG, SECTION, 10 ACRE PLOT: 17N, 03W, 32, 7G
DISTANCE FROM CORNER SECTION: 1250 S, 1050 E
QUAD SHEET CODE & NAME: 069A, Montpelier Quad

MINIMUM SETBACK: 400 ft.
MAXIMUM SETBACK: none

GEOLOGIC SUSCEPTIBILITY RATING: A1: permeable bedrock at or within 20
ft. of surface, variable overlying material

AGE OF WELL: 1975
WELL DEPTH: 477 ft.
DEPTH OF CASING: 220 ft.

AQUIFER CODE: 5156 - Shallow Bedrock
MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000 FT. RADIUS AREA: survey area is rural
consisting partly of moderate density residential housing and
partly of woodlands and open space

INTERVIEW(S):
NAME-AFFILIATION-ADDRESS-TELEPHONE NO.

APPENDIX B1-HILLCREST COURT 2nd ADDN. WELL #1 (#31912)
INVENTORY AND SYNOPSIS OF UNIT(S)

CLASSIFICATION KEY

INSIDE MINIMUM ZONE
PP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY
RI = ROUTE
CC = CERTIFIED
XI = UNKNOWN
CU = CLEANUP

OUTSIDE MINIMUM ZONE
OP = POTENTIAL PRIMARY
OS = POTENTIAL SECONDARY
OR = ROUTE
CC = CERTIFIED
OX = UNKNOWN
CU = CLEANUP

WELL NO. - MAP CODE - CLASSIFICATION:

NAME & ADDRESS OF UNIT OWNER:

DESCRIPTION & COMMENTS: NO VISIBLE POTENTIAL SOURCES, ROUTES, OR POSSIBLE
PROBLEM SITES

PRE OR POST (Y or N):

DISTANCE & DIRECTION:

APPENDIX C

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
FACILITY WELLS REPORT

REPORT: PWGUP053
MODULE: PWGUM027

PAGE: 1,210
DATE: 01/06/92

FACILITY: 1615490 HILLCREST COURT 2ND ADDN

OWNER ---

RANDALL GODDARD
9219-141 ST. WEST
TAYLOR RIDGE IL 61284

OFFICIAL CUSTODIAN

WELL: 31912 WELL 1 26GPM
LATITUDE: N41 25 39.0
SUSCEPTIBILITY - LAND BURIAL: A1
DEPTH(FT):
LONGITUDE: W090 45 30.0
TWP:
RNG:
SEC:
PLOT:
SUSCEPTIBILITY - LAND SPREADING: C2
--- MINIMUM SETBACK(FT): 0400 ---

SUSCEPTIBILITY CODES
LAND BURIAL: A1 = PERMEABLE BEDROCK AT OR WITHIN 20 FEET OF LAND SURFACE, VARIABLE OVERLYING MATERIALS.

LAND SPREADING: C2 = SAND AND GRAVEL WITHIN 20 FT OF SURFACE, OVERLAIN AND UNDERLAIN BY RELATIVELY IMPERMEABLE
TILL, OTHER FINE-GRAINED MATERIAL, AND/OR BEDROCK.

APPENDIX D

FACILITY: 1615490 HILLCREST COURT 2ND ADDN
TAP: RAW
RAW SRCE:

SAMPLE NO: 800673000 LOCATION: HILLCREST CT 2ND ADDN WELL
SMPL TYPE: RAW COLLECTOR: D MUELLER
SMPL PURP: 3-REPLACE COMMENTS:
SMPL PROG: C-CHEMICAL OBSERVATIONS:

ANALYSIS RSLT STORET NO DESCRIPTION

1001000 001 00403 PH LABORATORY UNITS
1011000 001 00095 CONDUCTIVITY(EC)-LAB(UMHOS/CM) 25 C
1021000 001 73000 RESIDUE TOTAL FILTERABLE 2180 C, MG/L
1031000 001 00410 ALKALINITY TOTAL MG/L AS CACO3
1051000 001 00900 HARDNESS, ESTA MG/L AS CACO3
1071000 001 00951 FLUORIDE TOTAL MG/L AS F
1081000 001 00940 CHLORIDE TOTAL MG/L AS CL
1091000 001 00945 SULFATE, TOTAL MG/L AS SO4
1101000 001 00630 NITRATE & NITRITE TOTAL MG/L AS N
1111000 001 00610 NITROGEN, AMMONIA TOTAL MG/L AS N
1141000 001 00956 SILICA, TOTAL MG/L AS SiO2
1161000 001 00720 CYANIDE, TOTAL MG/L AS CN
1441000 001 01002 ARSENIC, TOTAL RECOVERABLE UG/L AS AS
1511000 001 01051 LEAD, TOTAL RECOVERABLE UG/L AS PB
1531000 001 71900 MERCURY, TOTAL UG/L AS HG
1551000 001 01147 SELENIUM, TOTAL RECOVERABLE UG/L AS SE
177100 001 00916 CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP
177100 002 00927 MAGNESIUM, TOTAL RECOVERABLE MG/L AS MAG ANAL BY ICP
177100 003 00929 SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP
177100 004 00937 POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP
177100 005 01105 ALUMINUM, TOTAL RECOVERABLE MG/L AS AL ANAL BY ICP
177100 006 01007 BARIUM, TOTAL RECOVERABLE UG/L AS Ba ANAL BY ICP
177100 007 01022 BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP
177100 008 01012 BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP
177100 009 01027 CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP
177100 010 01034 CHROMIUM, TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICP
177100 011 01042 COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP
177100 012 01037 COBALT, TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP
177100 013 01045 IRON, TOTAL RECOVERABLE UG/L AS Fe ANAL BY ICP
177100 014 01055 MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP
177100 015 01067 NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP
177100 016 01077 SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP
177100 017 01082 STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP
177100 018 01087 YANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP
177100 019 01092 ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP
177100 020 82394 HARDNESS, CALC - MG/L

COLL. DATE: 05/08/90 DELIVERED BY: CF
LAB RCVD: 05/09/90 RECEIVED BY: MAD
LAB COMPL: 07/12/90 LAB SUPERVISOR: RPF
SMPL PERIOD: 05/90 FUND CODE: PW30

-----STANDARDS-----

ANALYSIS	RSLT	NO	DESCRIPTION	UNITS	RESULT	UNITS	DRINK WTR	RAW WTR	TRIGGER LEVEL
1001000	001	00403	PH LABORATORY UNITS	UM/CM	7.400				
1011000	001	00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM) 25 C	MG/L	673.000				
1021000	001	73000	RESIDUE TOTAL FILTERABLE 2180 C, MG/L	MG/L	390.000				
1031000	001	00410	ALKALINITY TOTAL MG/L AS CACO3	MG/L	361.000				
1051000	001	00900	HARDNESS, ESTA MG/L AS CACO3	MG/L	218.000				
1071000	001	00951	FLUORIDE TOTAL MG/L AS F	MG/L	0.710	4.000			
1081000	001	00940	CHLORIDE TOTAL MG/L AS CL	MG/L	4.000				
1091000	001	00945	SULFATE, TOTAL MG/L AS SO4	MG/L	17.000				
1101000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.100	<			
1111000	001	00610	NITROGEN, AMMONIA TOTAL MG/L AS N	MG/L	1.300				
1141000	001	00956	SILICA, TOTAL MG/L AS SiO2	MG/L	11.000				
1161000	001	00720	CYANIDE, TOTAL MG/L AS CN	MG/L	0.005	<			
1441000	001	01002	ARSENIC, TOTAL RECOVERABLE UG/L AS AS	UG/L	1.000	<			
1511000	001	01051	LEAD, TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000	<			
1531000	001	71900	MERCURY, TOTAL UG/L AS HG	UG/L	0.100	<			
1551000	001	01147	SELENIUM, TOTAL RECOVERABLE UG/L AS SE	UG/L	1.000	<			
177100 001	00916	CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	53.300					
177100 002	00927	MAGNESIUM, TOTAL RECOVERABLE MG/L AS MAG ANAL BY ICP	MG/L	23.800					
177100 003	00929	SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	80.800					
177100 004	00937	POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	3.380					
177100 005	01105	ALUMINUM, TOTAL RECOVERABLE UG/L AS Al ANAL BY ICP	UG/L	50.000	<				
177100 006	01007	BARIUM, TOTAL RECOVERABLE UG/L AS Ba ANAL BY ICP	UG/L	20.000	<				
177100 007	01022	BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP	UG/L	16.000	<				
177100 008	01012	BERYLLIUM, TOTAL RECOVERABLE UG/L AS Be ANAL BY ICP	UG/L	1.000	<				
177100 009	01027	CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP	UG/L	3.000	<				
177100 010	01034	CHROMIUM, TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICP	UG/L	5.000	<				
177100 011	01042	COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP	UG/L	5.000	<				
177100 012	01037	COBALT, TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP	UG/L	5.000	<				
177100 013	01045	IRON, TOTAL RECOVERABLE UG/L AS Fe ANAL BY ICP	UG/L	5.000	<				
177100 014	01055	MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP	UG/L	50.000	<				
177100 015	01067	NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP	UG/L	5.000	<				
177100 016	01077	SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP	UG/L	5.000	<				
177100 017	01082	STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP	UG/L	28.000	<				
177100 018	01087	YANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP	UG/L	5.000	<				
177100 019	01092	ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP	UG/L	50.000	<				
177100	020	82394	HARDNESS, CALC - MG/L	MG/L	231.000				

FACILITY: 1615490 HILLCREST COURT 2ND ADDN
TAP: 01 WELLSITE 1
RAW SRCE: 31912 WELL 1 266PM

SAMPLE NO: 2002633 LOCATION: WELL
SAMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR
SAMPL PURP: 5-SPEC/OTHER COMMENTS:
SAMPL PROG: 1-6WM INORG OBSERVATNS:

STATUS: A PUBLIC: Y COMM: Y TYPE WATER: G
STATUS: A
STATUS: A

COLL DATE: 11/07/86 DELIVERED BY:
LAB RCVD: 00/00/00 RECEIVED BY:
LAB COMPL: 00/00/00 LAB SUPERVISOR:
SMPL PERIOD: 11/86 FUND CODE:

ANALYSIS RSLT STORET-----
10 NO NO DESCRIPTION

ITEM	RESULT	UNITS	DRINK WTR	RAW WTR	STANDARDS	TRIGGER LEVEL
0000001 001	00610	MICROGRAMS/L AS N	1.200	< 10.000		
0000001 002	00630	MICROGRAMS/L AS N	0.100	< 0.100		
0000001 003	00665	MICROGRAMS/L AS P	0.010	< 0.010		
0000001 004	00720	CYANIDE, TOTAL MICROGRAMS/L AS CN	0.010	< 0.200		
0000001 005	00916	CALCIUM, TOTAL RECOVERABLE MICROGRAMS/L AS CA ANAL BY ICP	45.000			
0000001 006	00927	MAGNESIUM, TOTAL RECOVERABLE MICROGRAMS/L AS MG ANAL BY ICP	24.000			
0000001 007	00929	SODIUM, TOTAL RECOVERABLE MICROGRAMS/L AS NA ANAL BY ICP	70.000			
0000001 008	00937	POTASSIUM, TOTAL RECOVERABLE MICROGRAMS/L AS K ANAL BY ICP	2.800			
0000001 009	00940	CHLORIDE, TOTAL MICROGRAMS/L AS CL	3.800			
0000001 010	00945	SULFATE, TOTAL MICROGRAMS/L AS SO4	18.000			
0000001 011	00951	FLUORIDE, TOTAL MICROGRAMS/L AS F	3.650			
0000001 012	00956	SILICA, TOTAL MICROGRAMS/L AS SiO2	10.000			
0000001 013	01002	ARSENIC, TOTAL RECOVERABLE MICROGRAMS/L AS AS	1.000	< 50.000		
0000001 014	01007	BARIUM, TOTAL RECOVERABLE MICROGRAMS/L AS BA ANAL BY ICP	208.000			
0000001 015	01012	BERYLLIUM, TOTAL RECOVERABLE MICROGRAMS/L AS BE ANAL BY ICP	0.500	< 1000.000		
0000001 016	01022	BORON, TOTAL RECOVERABLE MICROGRAMS/L AS B ANAL BY ICP	221.000			
0000001 017	01027	CADMIUM, TOTAL RECOVERABLE MICROGRAMS/L AS CD ANAL BY ICP	3.000	< 10.000		
0000001 018	01034	CHROMIUM, TOTAL RECOVERABLE MICROGRAMS/L AS CR ANAL BY ICP	5.000	< 50.000		
0000001 019	01037	COBALT, TOTAL RECOVERABLE MICROGRAMS/L AS CO ANAL BY ICP	5.000	< 5000.000		
0000001 020	01042	COPPER, TOTAL RECOVERABLE MICROGRAMS/L AS CU ANAL BY ICP	5.000	< 1000.000		
0000001 021	01045	IRON, TOTAL RECOVERABLE MICROGRAMS/L AS FE ANAL BY ICP	799.000			
0000001 022	01051	LEAD, TOTAL RECOVERABLE MICROGRAMS/L AS PB	5.000	< 50.000		
0000001 023	01055	MANGANESE, TOTAL RECOVERABLE MICROGRAMS/L AS MN ANAL BY ICP	10.000	< 150.000		
0000001 024	01067	NICKEL, TOTAL RECOVERABLE MICROGRAMS/L AS NI ANAL BY ICP	5.000	< 50.000		
0000001 025	01077	SILVER, TOTAL RECOVERABLE MICROGRAMS/L AS AG ANAL BY ICP	3.000	< 50.000		
0000001 026	01082	STRONTIUM, TOTAL RECOVERABLE MICROGRAMS/L AS SR ANAL BY ICP	280.000			
0000001 027	01087	YANADIUM, TOTAL RECOVERABLE MICROGRAMS/L AS YN ANAL BY ICP	5.000	< 5000.000		
0000001 028	01092	ZINC, TOTAL RECOVERABLE MICROGRAMS/L AS ZN ANAL BY ICP	50.000			
0000001 029	01105	ALUMINUM, TOTAL RECOVERABLE MICROGRAMS/L AS AL ANAL BY ICP	59.000			
0000001 030	01147	SELENIUM, TOTAL RECOVERABLE MICROGRAMS/L AS SE	1.000	< 10.000		
0000001 031	32730	PHENOLS, TOTAL RECOVERABLE MICROGRAMS/L AS PHENOL	5.000	< 380.000		
0000001 032	70300	RESIDUE, TOTAL FILTERABLE MICROGRAMS/L AS RESIDUE	0.050	< 2.000		
0000001 033	71900	MERCURY, TOTAL MICROGRAMS/L AS HG	14.500			
0000001 034	00010	WATER TEMPERATURE DEG C	15.000			
0000001 035	00059	FLOW (PUMPING) RATE GAL/MIN	7.400			
0000001 036	00400	PH PH UNITS	5.000			
0000001 037	72004	FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN	368.000			
0000001 038	90410					

SAMPLE NO: 8011407

LOCATION: WELL #1

COLL DATE: 08/27/81 DELIVERED BY:

REPORT: PWGMP048
MODULE: PWGMP026

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
SELECTED SAMPLE EXPANDED REPORT

FACILITY: 1615490 HILLCREST COURT 2ND ADDN

*** CONTINUED ***

SMPL TYPE: RAW
SMPL PURP: 1-ROUTINE
SMPL PROG: 1-GW INORG OBSRVTNS:

ANALYSIS RSLT -----STORET-----
ID NO NO DESCRIPTION

ANALYSIS RSLT	NO	NO	DESCRIPTION	UNITS	RESULT	-----STANDARDS-----	TRIGGER LEVEL
00095			CONDUCTIVITY(EC)-LAB(UMHOS/CM 25 C)		660.000	DRINK WTR	RAW WTR
00403			PH LABORATORY UNITS		7.200		
00410			ALKALINITY, TOTAL MG/L AS CACO3		367.000	RECEIVED BY: LAB COMPL:	LAB SUPERVISOR: FUND CODE:
00610			NITROGEN AMMONIA TOTAL MG/L AS N		1.400		
00630			NITRATE & NITRITE TOTAL MG/L AS N		0.040		
00720			CYANIDE TOTAL MG/L AS CN		0.005 <		
00900			HARDNESS EDTA MG/L AS CACO3		203.000		
00916			CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		47.000		
00927			MAGNESIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP		22.000		
00929			SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP		79.000		
00937			POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP		3.700		
00940			CHLORIDE TOTAL MG/L AS CL		3.500		
00945			SULFATE TOTAL MG/L AS SO4		26.000		
00951			FLUORIDE TOTAL MG/L AS F		0.750		
00956			SILICA, TOTAL MG/L AS SiO2		10.000		
01002			ARSENIC, TOTAL RECOVERABLE UG/L AS AS		1.000 <		
01007			BARIUM, TOTAL RECOVERABLE UG/L AS Ba ANAL BY ICP		226.000		
01012			BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP		0.500 <		
01022			BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP		280.000		
01027			CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICB		3.000 <		
01034			CHROMIUM, TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICB		5.000 <		
01037			COBALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP		5.000 <		
01042			COPPER, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP		30.000		
01045			IRON, TOTAL RECOVERABLE UG/L AS FE ANAL BY ICP		430.000		
01051			LEAD, TOTAL RECOVERABLE UG/L AS Pb		30.000		
01055			MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP		7.000		
01067			NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP		3.000 <		
01077			SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP		5.000 <		
01082			STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP		283.000		
01087			YANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP		4.000 <		
01092			ZINC, TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP		75.000		
01147			SELENIUM, TOTAL RECOVERABLE UG/L AS SE ASSAY		1.000 <		
70300			RESIDUE, TOTAL FILTERABLE 3180 CMG/L		420.000		
70304			TOTAL DISSOLVED SOLIDS MG/L BY EC		400.000		
71320			MERCURY, TOTAL UG/L AS HG		0.050 <		

SAMPLE NO: 2002632
SMPL TYPE: RAW
SMPL PURP: S-SPEC/OTHR
SMPL PROG: V-VOC

LOCATION: WELL
COLLECTOR: IEPA SMPL COLLECTOR
COMMENTS:
OBSRVTNS:

COLL DATE: 11/07/86
LAB RCVD: 00/00/00
LAB COMPL: 00/00/00
SMPL PERIOD: 11/86

DELIVERED BY:
LAB SUPERVISOR:
FUND CODE:

PAGE: 325
DATE: 08/01/94

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
SELECTED SAMPLE EXPANDED REPORT

REPORT: PW6MP048
MODULE: PWGMM026

PAGE: 326
DATE: 08/01/94

FACILITY: 1615490 HILLCREST COURT 2ND ADDN

*** CONTINUED ***

ANALYSIS ID	RSLT NO	SIROET NO	DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR RAW WTR	TRIGGER LEVEL
06000001	001	32101	BROMODICHLOROMETHANE UG/L GC/MS		1.000 <		
00000001	002	32102	CARBON TETRACHLORIDE UG/L GC/MS		1.000 <	5.000	
00000001	003	32103	1,2-DICHLOROETHANE UG/L		1.000 <	5.000	
00000001	004	32104	BROMOFORM UG/L GC/MS		1.000 <		
00000001	005	32105	DIBROMOCHLOROMETHANE UG/L GC/MS		1.000 <		
00000001	006	32106	CHLOROFORM UG/L GC/MS		1.000 <	1000.000	
00000001	007	34010	TOLUENE UG/L		1.000 <	5.000	
00000001	008	34030	BENZENE UG/L		1.000 <	100.000	
00000001	009	34301	CHLOROBENZENE UG/L		1.000 <	700.000	
00000001	010	34371	ETHYLBENZENE UG/L		1.000 <		
00000001	011	34423	METHYLENE CHLORIDE UG/L		1.000 <	5.000	
00000001	012	34475	TETRACHLOROETHYLENE UG/L GC/MS		1.000 <	5.000	
00000001	013	34496	1,1-DICHLOROETHANE UG/L GC/MS		1.000 <		
00000001	014	34501	1,1-DICHLOROETHYLENE UG/L GC/MS		1.000 <	7.000	
00000001	015	34506	1,1,1-TRICHLOROETHANE UG/L GC/MS		1.000 <	200.000	
00000001	016	34542	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS		1.000 <	100.000	
00000001	017	39180	TRICHLOROETHYLENE UG/L		1.000 <	5.000	
00000001	018	00010	WATER TEMPERATURE DEG C			14.500	
00000001	019	00059	FLOW (PUMPING) RATE GAL/MIN			15.000	
00000001	020	00400	PH PH UNITS			7.400	
00000001	021	72004	FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN			5.000	
00000001	022	90410				368.000	

APPENDIX E

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

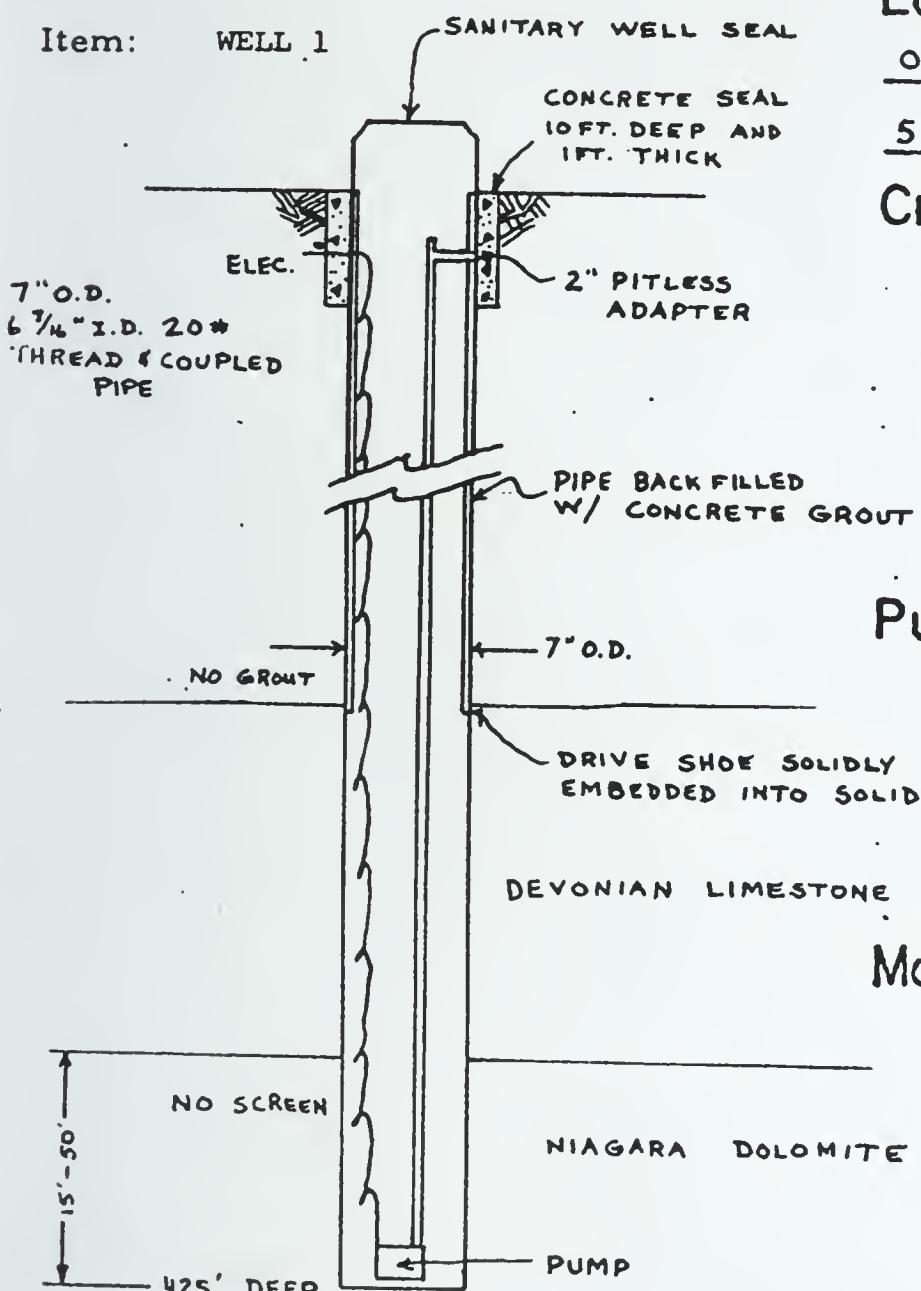
DIVISION OF PUBLIC WATER SUPPLIES

Inventory Sheet

Supply: ROCK ISLAND COUNTY - HILLCREST COURT 2nd ADDN. SUBDIVISION

Date inventoried 3/25/76Sheet 23 of 29

Item: WELL 1

LOCATION: SEC 32 T 17N R 3WOF THE 4TH P.M. N.W. $\frac{1}{4}$ 650' SOUTH

570' WEST OF N.W. CORNER

CHRONOLOGY: DRILLED 1975

PUMP REPLACED 1989

PUMP: RED JACKET SUBMERSIBLE
15 GPM @ 120 PSI
26 48MOTOR: 1 1/2 H.P., SINGLE PHASE
220 VOLT

PRODUCTION DATA:

DATE							
STATIC LEVEL - FT							
PUMPING LEVEL - FT							
PUMPING RATE - GPM							
SPECIFIC CAPACITY							

UNIVERSITY OF ILLINOIS-URBANA



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